

ALEX R. GURA

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SKILLS

■ PROFICIENT: Javascript (ES6), Node.js, React, Redux, Express.js, React Router, Git/Github, Sequelize, PostgreSQL, HTML5, CSS3, React/CSS UI Frameworks (ex. Semantic/Bootstrap), Cytoscape.js, Linux, TDD (Jasmine, Mocha, Chai)

■ KNOWLEDGEABLE: OAuth (Passport), Redux-Persist, Webpack, Lodash, React DnD, Victory Graphs

■ FAMILIAR: Electron, Babel, React Native, Elasticsearch

DEVELOPMENT PROJECTS

COSMØNOTE

Deployed ■ [Github](#)

Developer — ‘Capstone Project’

March 2019

- Cosmønote is a notetaking app made specifically with developers in mind; some of its unique features include its ability to execute code snippets using Runkit, near-real-time markdown rendering, and an innovative, non-hierarchical ‘web’ visualization. It was developed in **under three weeks**.
- Solely implemented code editing functionality, using the ACE code editor and Runkit code snippets for in-browser runnable javascript code.
- Heavily contributed to visualization using Cytoscape.js, a scientific visualization framework, adapting it towards file navigation and note editing.
- Implemented associating notes together through a visual interface as well as previewing, deleting, and editing from a graphical splash screen.
- Implemented wiki-style linking and organization on the backend using PostgreSQL and Sequelize.

MAGIC DRAFTER

[Github](#)

Developer — ‘Stackathon Project’

March 2019

- Magic Drafter is an inventory management app made for adding, managing, and analyzing collectible cards. It was developed in **four days** by a team of two people.
- Integrated image recognition functionality allowing for physical cards to be digitally integrated using Google’s Cloud Vision API.
- Created draggable components allowing for easy management of digital decks and sideboards using React DnD (Drag-and-Drop).
- Solely implemented analysis and visualization of deck statistics using Victory Graphs.

BRETT’S BEER FRIDGE

Deployed ■ [Github](#)

Developer — ‘Grace Shopper Project’

February 2019

- A fully featured e-commerce site with full CRUD operations, users, and over a thousand products, developed in under **two weeks**.
- Solely implemented checkout functionality using the stripe API in conjunction with React.
- Directed back end development using express and Sequelize, integrated filtering, pagination, custom seeding, as well as administrative user roles.
- Heavily contributed to front-end styling using React-Bootstrap.

WORK EXPERIENCE

FULLSTACK ACADEMY

Chicago, IL

Fellow — Apprentice Instructor

April 2019 — July 2019

- Guided students throughout the curriculum including answering questions during workshops/office hours.
- Managed senior team projects, guiding student teams through the creation of a fullstack application from start to finish.
- Taught data structures/algorithm exercises with a class of 20 to 30 students.
- Conducted technical interviews for prospective students on a weekly basis.

SAPPHIRE REAL ESTATE

Los Angeles, CA

I.T. Consultant

November 2016- June 2017

- Helped transition a small real estate company towards a multifaceted construction business approach through advice on hardware, software, and in house tech support.
- Served as a technical advisor on a variety of construction technologies and set up on-site design, monitoring, and communication applications.

EDUCATION

UNIVERSITY OF CHICAGO

Chicago, IL

Bachelor of Arts in Biological Sciences

June 2018

- GPA: 3.475; Dean’s List; General Honors
- Assisted in Clinical Psychiatric Research as well as Biomolecular Experimentation

FULLSTACK ACADEMY

Chicago, IL

Software Engineering Intensive

April 2019

- Fullstack Academy is a rigorous software development school teaching professional level practices in front and back end web development.
- Its curriculum is a pragmatic mix of computer science theory, algorithms and data structures, and practical usage of industry standard tools and libraries.

INTERESTS

- Playing chess for business and pleasure
- Reading about revolutionary history
- Solving puzzles of all types